



## SAFETY DATA SHEET DISHWASH COMPACT

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	DISHWASH COMPACT
Product number	C039 EV
Internal identification	Special

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Alkaline solid detergent for Dish washing machines.
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#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Evans Vanodine International  
Brierley Road  
Walton Summit  
Preston. UK. PR5 8AH  
Tel: 01772 322 200  
Fax: 01772 626 000  
qclab@evansvanodine.co.uk

#### 1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Pictogram



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P315 Get immediate medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
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**Contains** SODIUM HYDROXIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>	<b>30-60%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-xxxx
Spec Conc Limits :- Skin Corr. 1A (H314) ≥ 5 %, Skin Corr. 1B (H314) > 2% <5 %, Skin Irrit. 2 (H315) >0.5%<2%, Eye Irrit. 2 (H319) >0.5% <2%	

#### Classification

Met. Corr. 1 - H290  
 Skin Corr. 1A - H314  
 Eye Dam. 1 - H318

<b>SODIUM CARBONATE</b>	<b>10-15%</b>
CAS number: 497-19-8	EC number: 207-838-8

#### Classification

Eye Irrit. 2 - H319

<b>DISODIUM METASILICATE</b>	<b>10-15%</b>
CAS number: 6834-92-0	EC number: 229-912-9

#### Classification

Skin Corr. 1B - H314  
 Eye Dam. 1 - H318  
 STOT SE 3 - H335

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Unlikely route of exposure as the product does not contain volatile substances. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

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<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
<b>Eye contact</b>	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8. Avoid inhalation of dust.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Small Spillages: Flush away spillage with plenty of water. Large Spillages: Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Usage precautions**                      Wear protective clothing, gloves, eye and face protection. Avoid inhalation of dust.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**                      Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)**                      The identified uses for this product are detailed in Section 1.2.

**Usage description**                      See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

#### **SODIUM CARBONATE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### **Protective equipment**



**Appropriate engineering controls**                      Not relevant.

**Eye/face protection**                      The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection**                      Wear protective gloves. (Household rubber gloves.)

**Other skin and body protection**                      Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection**                      Respiratory protection not required.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Solid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (diluted solution): 13.00 @ 1%
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.

### 9.2. Other information

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**Other information**                      None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**                              Reacts violently with strong acids.

#### 10.2. Chemical stability

**Stability**                                No particular stability concerns.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**      See sections 10.1,10.4 & 10.5

#### 10.4. Conditions to avoid

**Conditions to avoid**                      Avoid contact with the following materials: Water. Moisture. Acids. Avoid heat.

#### 10.5. Incompatible materials

**Materials to avoid**                      Strong acids. Aluminium, Tin, Zinc and their alloys.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products**      As consequence of thermal decomposition, hazardous products may be produced: phosphorus oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects**                      We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

### SECTION 12: Ecological Information

**Ecotoxicity**                                Potentially hazardous due to the alkalinity of the product.

#### 12.1. Toxicity

**Toxicity**                                      We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

#### 12.2. Persistence and degradability

**Persistence and degradability**      There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential**              No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility**                                      Not known.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects**                      Not known.

## DISHWASH COMPACT

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	3262
UN No. (IMDG)	3262
UN No. (ICAO)	3262

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CORROSIVE SOLID, BASIC, INORGANIC N.O.S. (sodium hydroxide, solid)
<b>Proper shipping name (IMDG)</b>	CORROSIVE SOLID, BASIC, INORGANIC N.O.S. (sodium hydroxide, solid)
<b>Proper shipping name (ICAO)</b>	CORROSIVE SOLID, BASIC, INORGANIC N.O.S. (sodium hydroxide, solid)

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	Class 8: Corrosive substances.
<b>ADR/RID label</b>	8
<b>IMDG class</b>	Class 8: Corrosive substances.
<b>ICAO class/division</b>	Class 8: Corrosive substances.

#### Transport labels



#### 14.4. Packing group

<b>ADR/RID packing group</b>	II
<b>IMDG packing group</b>	II
<b>ICAO packing group</b>	II

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

<b>EmS</b>	F-A, S-B
<b>Tunnel restriction code</b>	(E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not relevant. for a packaged product.

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.  
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

### SECTION 16: Other information

#### Abbreviations and acronyms used in the safety data sheet

PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
IMDG: International Maritime Dangerous Goods.  
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
GHS: Globally Harmonized System.  
Spec Conc Limits = Specific Concentration Limits

#### Classification abbreviations and acronyms

Eye Dam. = Serious eye damage  
Met. Corr. = Corrosive to metals  
Skin Corr. = Skin corrosion  
Skin Irrit. = Skin irritation  
STOT SE = Specific target organ toxicity-single exposure

#### Key literature references and sources for data

Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.

#### Classification procedures according to Regulation (EC) 1272/2008

Calculation Method.

#### Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. & Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment.

#### Revision date

10/07/2017

#### Revision

2

#### SDS status

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

#### Hazard statements in full

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.